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PATENT

**,IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant	:	T. Venkat Gopal	)	Group Art Unit: 1636
Re. App. No. :		09/404,979	)	
Re. App. Filed:		September 22, 1999	)	
For	:	PEPTIDE-MEDIATED GENE TRANSFER	)	
Assignee	:	Genetic Applications	)	
Patent No.	:	5,670,347	)	
Issued	:	September 23, 1997	)	
Examiner	:	T. McKelvey	)	

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**SECOND SUPPLEMENTAL AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Second to *Supplement Amendment* filed November 30, 2000, please amend the above-identified application as follows.

**IN THE CLAIMS**

**Please amend Claims 12 and 13:**

1. (Pending) A transfection vector comprising a synthetic polypeptide linked electrostatically to a DNA structural sequence, forming a polypeptide-DNA complex, wherein said polypeptide is comprised of (A) a polymeric chain of basic amino acid residues, (B) a nuclear localization signal (NLS) peptide and (C) a hinge region of neutral amino acids that connects said polymeric chain and said NLS peptide.

2. (Pending) The vector of claim 1, wherein said polymeric chain is comprised of between 10 and 50 residues.